明治二十年三月刊行

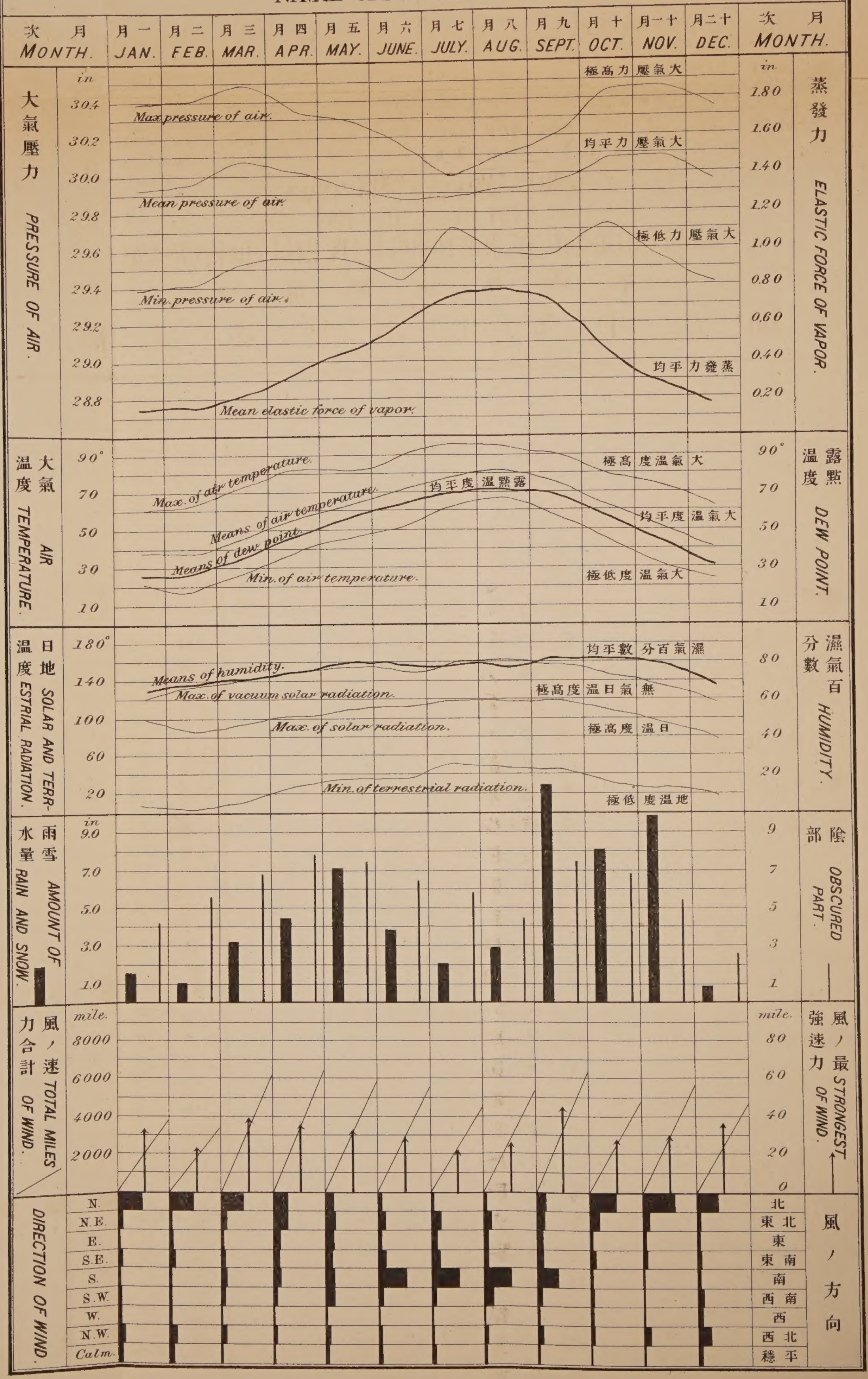
明治十九年三月廿三日出版屆濟

定價金十三錢

明治十九年中氣象模圖

東京海軍觀象臺

DIAGRAM OF THE METEOROLOGICAL OBSERVATIONS
FOR THE YEAR 1886.
NAVAL OBSERVATORY TOKIO.



月次 Months.	地震 Earthquakc.	雷鳴 Thunder.
一月 Jan.	4	...
二月 Feb.	6	...
三月 Mar.	1	1
四月 Apr.	1	1
五月 May.	6	...
六月 June	3	1
七月 July	1	7
八月 Aug.	1	3
九月 Sept.	6	1
十月 Oct.	3	...
十一月 Nov.	2	2
十二月 Dec.	5	1
合計 Total,	39	17

十九年中斯業ニ従事セシ人名ハ海軍少佐磯野健同大尉山崎喜勝同大尉小椋元吉同五等技師中川將行同二等技手伊藤直温海軍屬岩間侃次郎同日比翁助同白井正信海軍八等技手小澤兼藏同十等技手坂口壯輔同同遠藤外與吉同同永江董雇川村茂藏

觀象臺長　海軍五等技師　中川將行　閲
觀測助手　同二等技手　伊藤直温
同　海軍屬　日比翁助
同　同　白井正信
同　海軍八等技手　小澤兼藏
同　同十等技手　永江董

(Signed) Director.

M. Nakagawa.

Assistant.

N. Itō.

„ O. Hibi.

„ M. Shiray.

„ K. Ozawa.

„ T. Nagaye.

明治十九年氣象報告記事摘要

風雨鍼	高極（三十寸四九四）	三月七日	
	低極（二十九寸三八九）	一月卅一日	
寒暑鍼	高極（九十六度三）	七月十四日	
	低極（十七度五）	二月三日	
無氣中日温度高極	百六十一度四	八月八日	
日温度高極	百十八度六	九月九日	
地温度低極	五度〇	二月三日	
強風	九月廿五日	（一時間速力四十里以上ナルモノヲ掲ク）	
降雪日	一月（十五日、三十日、卅一日）	二月（一日、八日、十六日、十九日）	
	三月（二日、三日、四日）	十二月（二日、廿二日）	
雨雪水量	五十六英寸三四	十九年中	
晴部	四分一厘	（毎三時ノ驗測ニ因テ一ケ年ノ晴部陰部ヲ分別シテ之ヲ時間ニ比例シタルモノニ係ル）	
陰部	五分九厘		

Averages, Extremes, &c. for the year 1886.

Maximum pressure of air	30. 494	inches	on 7th Mar.
Minimum 〃 〃	29. 389	〃	on 31st Jan.
Maximum temperature of air	96°.3	〃	on 14th July.
Minimum 〃 〃	17°.5	〃	on 3rd Feb.
Highest solar radiation	118°.6	〃	on 9th Sep.
〃 〃 〃 in vacuo	161°.4	〃	on 8th Aug
Lowest terrestrial radiation	5°.0	〃	on 3rd Feb.
Wind above 40 miles per hour			on 25th Sep.

Days of snow: 15, 30, 31 Jan., 1, 8, 16, 19 Feb.; 2, 3, 4 Mar., 2. 22 Dec.

Amount of rain including melted snow .... 56. 34 inches.

Mean amount of cloud, from the observations made 8 times a day 0. 59

傾差及地平磁鍼力

INCLINATION AND HORIZONTAL INTENSITY.

月日 Date.	測時 Time.	傾差 Inclination.	測時 Time.	温度 Temperature.	偏鍼角 Angle of deflection.	温度 Temperature.	一振之時 Time of one Oscillations.	地平磁鍼力 Horizontal Intensity.
	h m	° ′	h m	°	° ′ ″	°	s	
January 4.	5 3. P. M.	49 38.4	3 53 P. M.	42.5	3 21 53.5	40.7	4.424	6.3105
16.	5 15. ″	49 41.8	4 0. ″	51.5	3 21 16.5	50.8	4.404	6.3498
February 9	4 34. ″	49 33.0	3 5. ″	46.0	3 21 53.5	46.8	4.422	6.3138
23.	4 30. ″	49 34.3	3 8. ″	48.8	3 21 44.8	48.9	4.425	6.3120
March 9.	4 0. ″	49 40.9	2 17. ″	56.7	3 21 28.8	51.0	4.427	6.3119
23.	5 18. ″	49 31.6	3 48. ″	59.0	3 21 30.8	58.2	4.425	6.3244
April 10.	5 30. ″	49 41.2	2 48. ″	67.4	3 21 11.9	65.8	4.426	6.3177
22.	5 50. ″	49 37.1	3 8. ″	65.8	3 21 16.0	65.4	4.427	6.3237
May 10.	5 10. ″	49 48.7	2 50. ″	65.8	3 21 5.0	65.9	4.427	6.3186
22.	4 30. ″	49 39.3	3 10. ″	65.0	3 18 37.1	64.4	4.452	6.3286
June 6.	5 22. ″	49 43.8	4 1. ″	73.6	3 19 10.6	72.4	4.445	6.3211
21.	5 21. ″	49 31.6	4 5. ″	79.3	3 19 37.1	79.0	4.441	6.3219
July 3.	5 25. ″	49 32.4	4 4. ″	81.5	3 19 21.7	80.5	4.450	6.3120
19.	5 43. ″	49 42.6	4 45. ″	84.3	3 19 16.1	83.1	4.447	6.3191
August 7.	9 35. A. M.	49 35.9	*3 53. ″	91.5	3 18 15.8	90.7	4.430	6.3575
19.	4 3. P. M.	49 40.3	2 48. ″	83.0	3 18 52.7	82.9	4.450	6.3206
September 4.	4 47. ″	49 21.9	3 18. ″	84.3	3 18 33.1	82.2	4.454	6.3185
27.	5 30. ″	49 39.9	4 18. ″	75.0	3 18 2.3	74.5	4.455	6.3269
October 3.	5 7. ″	49 34.4	3 45. ″	76.0	3 18 9.2	74.9	4.455	6.3250
23.	8 58. A. M.	49 30.1	†3 45. ″	68.9	3 18 34.2	67.2	4.455	6.3190
November 6.	4 0. P. M.	49 37.1	2 25. ″	62.4	3 18 54.2	62.6	4.456	6.3125
21.	4 58. ″	49 34.5	3 45. ″	59.4	3 17 57.5	58.0	4.462	6.3178
December 7.	5 5. ″	49 38.5	3 43. ″	56.9	3 18 17.9	57.0	4.458	6.3208
19.	5 15. ″	49 41.4	4 2. ″	54.9	3 17 48.1	53.0	4.455	6.3316

* 3 rd † 22 nd

磁氣觀測之年報

東京海軍觀象臺

REPORT OF THE MAGNETICAL OBSERVATIONS FOR THE YEAR 1886.

NAVAL OBSERVATORY, TOKIO.

磁氣偏差

MAGNETIC DECLINATION.

日次 Date.	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.
	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
1	4 8.6	4 6.1	4 6.7	4 5.9	4 4.1	4 3.8	3 59.9	4 5.8	4 2.3	4 8.5	4 5.7	4 1.2
2	4 9.9	4 6.3	4 7.0	4 7.6	4 2.4	4 3.3	4 3.2	4 4.3	4 2.3	4 6.4	4 5.4	4 8.3
3	4 10.0	4 6.6	4 6.2	4 5.3	4 4.5	4 3.3	4 3.7	4 4.9	4 3.6	4 6.5	4 6.5	4 9.8
4	4 9.6	4 6.1	4 5.3	4 6.1	4 5.2	4 2.0	4 1.1	4 4.3	4 5.2	4 8.3	4 8.0	4 9.0
5	4 8.4	4 7.5	4 5.1	4 7.5	4 4.3	4 2.5	4 1.8	4 3.5	4 2.7	4 8.9	4 8.4	4 9.2
6	4 9.5	4 7.8	4 6.2	4 7.4	4 2 7	4 2.7	4 1.9	4 2.7	4 4.5	4 10.5	4 5.8	4 7.2
7	4 9.3	...	4 6.9	4 6.2	4 3.7	4 2.3	3 59.9	4 2.0	4 6.0	4 17.3	4 4.1	4 7.0
8	4 8.5	4 5.7	4 8.1	4 5.6	4 3.2	4 4.1	4 4.0	4 2.8	4 5.4	4 16.2	4 5.3	4 11.9
9	4 11.4	4 5.1	4 6.8	4 8.0	4 1.3	4 4.7	4 1.3	4 1.9	4 7.5	4 13.1	4 5.3	4 11.5
10	4 10.4	4 6.2	4 5.8	4 6.6	4 7.0	4 4.4	4 2.0	4 1.8	4 5.0	4 12.8	4 7.0	4 11.4
11	4 8.0	4 8.8	4 4.7	4 8.8	4 7.4	4 3.7	4 2.1	4 1.5	4 7.5	4 12.2	4 6.5	4 10.4
12	4 7.2	4 12.8	4 3.9	4 7.6	4 4.9	4 3.4	4 1.3	4 1.3	4 5.6	4 11.5	4 5.8	4 9.5
13	4 7.6	4 9.0	4 4.6	4 9.1	4 5.5	4 4.4	4 2.6	4 1.6	4 3.2	4 10.0	4 6.8	4 10.7
14	4 7.9	4 9.6	4 4.5	4 9.2	4 4.9	4 3.8	4 2.8	4 2.9	4 6.1	4 9.7	4 6.0	4 11.2
15	4 8.6	4 9.6	4 2.5	4 9.6	4 4.4	4 2.4	4 4.2	4 3.0	4 7.1	4 10.6	4 4.3	4 11.3
16	4 9.2	4 7.8	4 3.7	4 10.8	4 6.0	4 2.8	4 4.3	4 2.4	4 1.9	4 9.8	4 5.6	4 12.2
17	4 5.9	4 6.9	4 3.6	4 10.1	4 6.1	4 1.8	4 1.7	4 5.7	4 5.0	4 10.7	4 4.4	4 11.0
18	4 4.8	4 7: 5	4 4.2	4 10.8	4 7.1	4 4.1	4 1.4	4 4.2	4 6.4	4 9.9	4 5.2	4 11.3
19	4 7.5	4 5.9	4 3.3	4 9.7	4 6.2	4 0.3	4 1.1	4 2.8	4 6.7	4 10.1	4 4.2	4 10.9
20	4 6.8	4 7.6	4 6.2	4 9.6	4 4.4	4 3.0	4 7.9	4 3.1	4 5.8	4 10.8	4 4.4	4 10.3
21	4 6.0	4 6.8	4 3.4	4 7.9	4 4.4	4 3.0	4 4.5	4 6.9	4 6.4	4 9.2	4 4.2	4 11.1
22	4 6.6	4 6.7	4 3.5	4 9.8	4 6.9	4 3.1	4 4.2	4 5.8	4 9.1	4 11.0	4 8.1	4 11.5
23	4 7.0	4 7.3	4 4.6	4 5.6	4 3.3	4 3.3	4 5.4	4 4.9	4 5.8	4 6.9	4 8.1	4 11.7
24	4 6.7	4 2.1	4 4.5	4 2.6	4 3.0	4 4.5	4 5.4	4 3.6	4 7.2	4 5.9	4 8.8	4 11.5
25	4 6.7	4 7.9	4 7.6	4 4.7	4 5.1	4 3.8	4 5.3	4 5.7	4 6.0	4 6.4	4 7.9	4 11.5
26	4 5.4	4 6.1	4 7.9	4 4.8	4 3.9	4 2.4	4 5.1	4 6.2	4 6.7	4 6.0	4 7.9	4 10.4
27	4 6.5	4 5.8	4 6.5	4 5.9	4 6.1	4 4.7	4 4.9	4 5.3	4 6.4	4 5.7	4 8.3	4 13.6
28	4 6.5	4 7.3	4 5.6	4 4.5	4 3.8	4 2.8	4 8.2	...	4 6.9	4 5.3	4 7.8	4 12.1
29	4 5.3	...	4 5.0	4 5.9	4 4.6	4 3.2	4 8.1	4 4.1	4 6.4	4 5.5	4 7.7	4 10.6
30	4 6.0	...	4 5.1	4 1.0	4 3.0	4 4.8	4 4.1	4 4.7	4 6.8	4 5.6	4 8.4	4 11.5
31	4 8.0	...	4 12.6	...	4 3.5	...	4 5.3	4 4.4	...	4 4·6	...	4 10.5
Mean.	4° 7′.74	4° 7′.15	4° 5′,54	4° 7′.14	4° 4′.61	4° 3′.28	4° 3′.51	4° 3′.80	4° 5′.58	4° 9′.22	4° 6′.40	4°10′.36

風
WIND.

月次 Months.	平穩時數 Hours of Calm.	北 N. 時數 Number of Hours.	北 N. 速力 Number of miles.	東北 N. E. 時數 Number of Hours.	東北 N. E. 速力 Number of miles.	東 E. 時數 Number of Hours.	東 E. 速力 Number of miles.	東南 S. E. 時數 Number of Hours.	東南 S. E. 速力 Number of miles.	南 S. 時數 Number of Hours.	南 S. 速力 Number of miles.	西南 S. W. 時數 Number of Hours.	西南 S. W. 速力 Number of miles.	西 W. 時數 Number of Hours.	西 W. 速力 Number of miles.	西北 N. W. 時數 Number of Hours.	西北 N. W. 速力 Number of miles
Jan.	60	338	2054. 6	69	237. 8	15	34. 8	44	122. 0	11	52. 5	27	481. 6	37	211. 4	143	653. 4
Feb.	67	296	1868. 1	34	87. 2	38	134. 0	60	194. 2	25	211. 4	19	130. 2	22	70. 2	111	656. 4
Mar.	20	279	2208. 6	106	680. 3	37	202. 2	56	334. 4	119	1252. 8	52	718. 9	2	6. 8	73	730. 6
Apr.	12	190	1471. 7	175	1262. 8	83	471. 3	74	364. 3	115	1755. 3	44	925. 5	2	5. 1	25	260. 5
May	27	93	892. 1	113	805. 9	108	582. 5	86	457. 2	150	1685. 5	117	1130. 7	5	9. 0	45	264. 8
June	45	44	366. 3	80	391. 5	31	141. 2	96	393. 3	339	3569. 0	55	454. 4	5	14. 0	25	205. 3
July	46	38	210. 6	94	539. 4	65	322. 1	133	756. 6	321	2439. 0	39	207. 9	1	6. 1	7	46. 6
Aug.	34	36	216. 0	80	554. 0	46	203. 0	54	312. 2	346	2857. 1	128	1172. 1	1	4. 0	19	86. 2
Sept.	13	116	782. 2	93	578. 3	67	332. 7	74	483. 0	237	3201. 7	46	613. 4	8	38. 4	66	385. 1
Oct.	15	351	2560. 9	124	975. 2	25	84. 6	77	226. 0	52	378. 4	26	151. 5	10	18. 8	64	393. 8
Nov.	4	454	3907. 6	91	658. 7	31	139. 4	45	122. 5	3	29. 1	5	45. 3	..	...	87	719. 4
Dec.	26	288	1662. 0	40	236. 5	24	94. 2	39	144. 5	40	331 .6	74	1029. 7	51	287. 3	162	893. 7
合計 Sums.	369	2523	18200. 7	1099	7007. 6	570	2742. 0	838	3910. 2	1758	17763. 4	632	7061. 2	144	671. 1	827	5295. 8

天候
WEATHER.

月次 Months.	雲之種類 Kind of Clouds. 巻雲 Cirrus.	積雲 Cumulus.	層雲 Stratus.	巻積雲 Cirro-Cumulus.	巻層雲 Cirro-Stratus.	積層雲 Cumulo-Stratus.	巻積層雲 Cirro-Cumulo-Stratus.	降雨 Rain.	降雪 Snow.	靄霧 Fog.	全晴 Clear.	陰部 Obscured part.	雨雪水量 Amount of Rain and Snow.
Jan.	16	4	7	157	5	...	11	2	12	...	34	4. 1	1. 59
Feb.	2	6	3	181	2	...	1	5	2	...	22	5. 5	1. 12
Mar.	6	4	3	166	3	7	6	19	10	...	24	6. 7	3. 18
Apr.	8	28	1	137	8	6	1	46	...	...	5	7. 8	4. 35
May	11	19	...	143	3	5	11	48	...	3	5	7. 4	7. 11
June	18	12	4	133	10	11	5	30	...	...	17	6. 4	3. 84
July	11	14	1	178	4	10	6	13	...	3	8	5. 8	2. 10
Aug.	7	7	2	165	13	10	4	8	...	7	25	4. 4	2. 92
Sept.	...	12	11	129	4	19	8	46	...	4	7	7. 4	11. 41
Oct.	6	8	12	96	20	23	30	40	...	3	10	6. 8	8. 05
Nov.	10	10	9	69	22	12	15	35	...	...	58	5. 3	9. 69
Dec.	6	21	11	45	16	18	...	4	...	...	127	2. 6	0. 98
合計 Sums.	101	145	64	1599	110	121	98	296	24	20	342	...	56. 34
平均 Means.	...	...	...	...	...	...	...	...	...	...	...	5. 9	...

月次 Months	濕氣百分數 Humidity. (Saturation = 100) 午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	蒸發力 Elastic Force of Vapour. 午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	露點温度 Dew Point. 午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.
					in	in	in	in	°	°	°	°
Jan.	66	71	68	57	0.122	0.121	0.141	0.168	22.3	22.1	25.8	29.8
Feb.	72	68	66	60	0.124	0.112	0.141	0.169	22.2	20.0	25.5	29.9
Mar.	79	78	68	61	0.203	0.195	0.215	0.239	34.3	32.3	35.0	37.9
Apr.	84	85	73	66	0.315	0.305	0.318	0.340	45.7	44.9	46.1	48.0
May	89	87	76	71	0.439	0.427	0.445	0.466	54.8	54.0	55.1	56.6
June	92	90	73	67	0.575	0.583	0.588	0.594	62.3	62.7	63.2	63.5
July	93	91	73	66	0.737	0.739	0.749	0.754	70.0	70.1	70.5	70.6
Aug.	91	93	72	62	0.785	0.783	0.796	0.795	71.9	71.9	72.3	72.3
Sept.	92	92	80	72	0.725	0.706	0.720	0.729	69.3	68.5	69.1	69.5
Oct.	90	91	79	68	0.453	0.434	0.460	0.473	55.7	54.5	56.1	57.0
Nov.	86	87	76	65	0.283	0.272	0.287	0.307	42.6	41.5	43.1	45.0
Dec.	74	76	64	53	0.152	0.144	0.161	0.192	27.3	26.2	28.8	33.2
平均 Mean.	84	84	72	64	0.409	0.402	0.418	0.436	48.2	47.4	49.2	51.1
月次 Months.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Mid night	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Mid night	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Mid night
					in	in	in	in	°	°	°	°
Jan.	56	66	68	67	0.180	0.163	0.147	0.134	31.5	28.9	26.4	24.3
Feb.	50	71	73	73	0.177	0.180	0.160	0.146	30.9	31.2	28.0	25.7
Mar.	60	66	76	77	0.237	0.233	0.230	0.214	38.0	37.5	37.0	35.5
Apr.	62	72	79	82	0.339	0.337	0.331	0.326	47.8	47.6	47.2	46.7
May	68	77	84	87	0.463	0.469	0.457	0.449	56.4	56.8	56.1	55.6
June	63	74	85	89	0.585	0.592	0.588	0.589	63.1	63.4	63.2	63.1
July	61	70	82	88	0.749	0.735	0.749	0.744	70.4	69.9	70.5	70.3
Aug.	57	70	82	87	0.779	0.793	0.802	0.798	71.7	72.2	72.5	72.4
Sept.	71	82	87	89	0.723	0.725	0.726	0.721	69.2	69.4	69.4	69.1
Oct.	67	80	86	90	0.480	0.491	0.486	0.467	57.4	58.0	57.7	56.7
Nov.	65	80	84	85	0.320	0.319	0.307	0.289	46.2	46.0	44.9	43.1
Dec.	54	65	73	73	0.200	0.193	0.184	0.165	34.0	33.0	31.6	29.0
平均 Mean.	62	73	80	82	0.436	0.436	0.431	0.420	51.4	51.2	50.4	49.3

月次 Months.	寒暑鍼 Thermometer. 午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	改正風雨鍼 Borometer. Reduced to 32° F. and sea level. 午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.
	°	°	°	°	in.	in.	in.	in.
Jan.	32.2	30.4	35.5	44.1	29.941	29.952	29.970	29.921
Feb.	30.6	29.4	35.7	43.8	29.954	29.970	29.985	29.947
Mar.	40.0	38.7	45.5	51.5	30.071	30.094	30.124	30.090
Apr.	50.7	49.4	55.3	60.3	30.012	30.037	30.058	30.032
May	58.1	57.9	63.3	67.1	29.943	29.962	29.969	29.942
June	64.8	65.9	72.5	75.9	29.865	29.883	29.896	29.879
July	72.3	72.7	79.9	83.3	29.868	29.888	29.890	29.867
Aug.	74.7	74.1	82.6	87.4	29.913	29.929	29.948	29.923
Sept.	71.8	71.2	75.9	79.6	29.929	29.950	29.968	29.950
Oct.	58.7	57.4	63.2	68.7	30.063	30.081	30.112	30.080
Nov.	46.8	45.3	50.9	57.4	30.085	30.101	30.130	30.090
Dec.	35.0	32.9	40.5	50.0	29.953	29.978	30.011	29.967
平均 Mean.	53.0	52.1	58.4	64.1	29.966	29.986	30.005	29.975

月次 Months.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P .M.	正子 Midnight	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight
	°	°	°	°	in.	in.	in.	in.
Jan.	46.8	39.5	36.0	33.9	29.881	29.920	29.947	29.935
Feb.	44.8	40.3	36.2	33.6	29.918	29.949	29.978	29.981
Mar.	52.2	48.0	44.6	42.6	30.045	30.064	30.096	30.092
Apr.	62.0	57.2	54.2	52.4	29.994	30.007	30.039	30.032
May.	68.0	64.4	61.0	59.4	29.907	29.918	29.953	29.951
June	76.8	72.6	68.1	66.6	29.851	29.855	29.883	29.879
July	84.7	80.7	76.4	74.1	29.844	29.849	29.879	29.881
Aug.	88.9	83.1	78.7	76.6	29.887	29.899	29.932	29.932
Sept.	79.9	75.6	73.4	72.3	29.924	29.938	29.967	29.952
Oct.	69.2	64.6	62.0	59.8	30.051	30.067	30.092	30.086
Nov.	58.8	52.4	49.6	47.6	30.063	30.081	30.102	30.086
Dec.	50.7	43.7	39.9	36.8	29.933	29.944	29.961	29.956
平均 Mean.	65.2	60.2	56.7	54.6	29.942	29.958	29.986	29.980

氣象觀測之年報

東京海軍觀象臺

REPORT

OF THE

METEOROLOGICAL OBSERVATIONS FOR THE YEAR. 1886.

NAVAL OBSERVATORY, TOKIO.

Lat. 35° 39′ 17″.5 N. Long. 139° 44′ 30″.3 E. Height above Sea-level, 70 feet.

月次 Months.	改正風雨鍼 Barometer. Reduced to 32° F. & sea level.			寒暑鍼 Thermometer.			露點溫度平均 Mean Temp. of Dewpoint.	蒸發力平均 Mean elastic force of Vapour.	濕氣百分數平均 Mean Humidity (Sat.=100.)	無氣中日溫度高極 Vacuum Solar radiation Max.	日溫度高極 Solar radiation Max.	地溫度低極 Terrestrial radiation Min.
	平均 Mean.	高極 Max.	低極 Min.	平均 Mean.	高極 Max.	低極 Min.						
	in	in	in	°	°	°	°	in		°	°	°
Jan.	29.934	30.394	*29.389	37.3	60.0	20.4	26.4	0.147	65	120.3	100.0	8.7
Feb.	29.960	30.404	29.406	36.9	62.9	*17.5	26.7	0.151	68	133.0	85.3	*5.0
Mar.	30.084	*30.494	29.527	45.4	72.8	26.7	35.9	0.221	71	139.8	93.2	12.9
Apr.	30.026	30.350	29.555	55.2	82.7	38.0	46.8	0.326	75	149.1	102.6	29.8
May	29.943	30.301	29.554	62.4	81.3	44.6	55.7	0.452	80	153.6	111.8	34.5
June	29.874	30.170	29.439	70.4	89.7	50.5	63.1	0.587	79	149.9	113.4	34.0
July	29.871	29.995	29.711	78.0	*96.3	61.9	70.3	0.745	78	159.1	117.2	50.5
Aug.	29.922	30.104	29.577	80.8	95.2	67.0	72.1	0.791	77	*161.4	118.1	47.0
Sept.	29.947	30.197	29.568	75.0	90.2	58.0	69.2	0.722	83	158.5	*118.6	43.7
Oct.	30.079	30.436	29.726	63.0	78.7	43.5	56.6	0.468	81	144.7	107.0	30.4
Nov.	30.092	30.456	29.552	51.1	74.3	31.2	44.1	0.298	79	135.2	95.0	26.3
Dec.	29.963	30.341	29.410	41.2	61.8	23.6	30.4	0.174	67	117.3	78.0	17.5
平均 Mean.	29.975	...	...	58.1	...	...	49.8	0.424	75	...	...	...
至極 Max.& Min.	...	30.494	29.389	...	96.3	17.5	...	...	...	161.4	118.6	5.0

凡例

一風雨鍼ハ氷點及海面ニ改正ス

一寒暑鍼ハ都テ華氏ノ度表ヲ用フ

一露點、濕氣、蒸發力、ハ燥濕兩球寒暑鍼ノ實驗ヨリ算出ス

一風ノ方向及速力ハ自記驗風儀ヲ以テ之ヲ測ル而シテ方向ハ八點ニ分チ速力ハ英里ヲ以テ算ス

一天候ノ表中降雨、降雪、靄、霧、雲ノ種類ハ悉皆觀望ノ時數ヲ揭ゲ陰部ハ一日間全陰ヲ十トシ他ハ之ニ比例ス

又雨雪ノ水積ハ毎午前九時ニ實驗シ英寸ヲ以テ之ヲ示ス

一磁氣偏差ハ連日午前七時傾差及地平磁針力ハ連月兩回之ヲ觀測ス

一此觀測ノ用器ハ偏差儀傾差儀及「ユーニファイラ」磁氣儀ナリ

一偏針角ノ觀測ニ於テ兩磁氣中心ノ相距ハ一、三英尺トス

一搖振時ノ觀測ニ用フル磁氣ノ尺度一劃分ノ價ハ二分、三七ナリ

NOTE.

The Barometer readings are reduced to freezing point (32° F) and sea level.

Dew point, Humidity and Elastic force of Vapour are deduced from the readings of the dry and wet bulb thermometers.

Direction and Velocity of Wind are measured by Glayser's anemograph.

The numbers under the headings of Rain, Snow, Fog and the kinds of Cloud (C. K. S. N. or Rain) denote how many, out of eight observations made in a day, are either of them.

The portion of sky obscured is determined by estimation after a careful scrutiny of the clouds or sky. A clear sky is denoted by 0, and a total obscuration by 10.

The amount of Rain and Snow are measured at 9 a. m.

The Magnetic declination is observed at 7 a. m. every day, the inclination and the horizontal intensity twice a month, the instruments in use being Declinometer, Inclinometer, and Unifilar Magnetometer.

The apparent distance between the centers of the deflecting and the suspending magnets in the observation of deflection, $r = 1.3$ feet.

The angular value of one scale division of the vibration magnet = 2′.37.

氣象及磁氣年報

東京海軍觀象臺

明治十九年中

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AT THE

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